



GOSPORT AND ALVERSTOKE
URBAN DISTRICT COUNCIL.



REPORT


OF THE

Medical Officer of Health,

J. W. GREGORY KEALY,

M.R.C.S., L.R.C.P., D.P.H.,

For the Year 1915.



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ANNUAL REPORT

— OF THE —

Medical Officer of Health

— FOR THE —

Urban District of Gosport and Alverstoke,
FOR THE YEAR 1915.



*To the Chairman and Members of the Gosport and Alverstoke
Urban District Council.*

GENTLEMEN.

I have the honour of submitting to you my Sixth Annual Report for the year 1915, which has been somewhat delayed by the enforced revision of the Tables, from which deaths occurring in the Naval and Military Establishments of the District have been excluded, and the returns in which have been based on an estimated civilian population of 27,537, the figure submitted by the Registrar General for statistical purposes.

Births and Birth Rate.—657 Births were registered in the District, 22 were transferred from other Districts to our own, making the total 679—Males 337, Females 342, giving a birth rate of 24·65.

Deaths and Death Rate.—The number of civilian deaths recorded in the District was 374—of these, 12 were transferred to their own districts, and 46 were notified of “residents” who had died away from our District. The net deaths thus amounted to 408, giving an annual average of 14·8.

Mortality at Several Ages.

		1911	1912	1913	1914	1915
Deaths at under 1 year	...	115	57	95	56	52
„ „ „ 5 years	...	54	27	30	24	48
„ „ 5 and under 15 years		18	15	8	14	17
„ „ 15 „ 25 „		23	52	22	40	11
„ „ 25 „ 65 „		179	150	156	198	132
„ „ 65 and upwards	...	117	94	113	141	148

Infant Mortality.— Deaths of infants under 12 months numbered 52. Congenital malformation and premature birth accounted for 12, lung affections for 18, and infective enteritis for 5.

Infant Mortality Rate for the past 5 years.—

1911	per thousand born	135·45, an excessively hot summer.
1912	„ „	64·69
1913	„ „	113·23
1914	„ „	65·51
1915	„ „	76·58

In the other extreme of life, 115 persons died, 5 being over 90 years of age, 34 of 80 and over, and 76 of 70 and over.

The following Tables contain the statistics as to Births and Deaths registered month by month.

MONTH.	BIRTHS.			DEATHS.	BIRTHS.
	Males.	Females.	Total.	Civilian.	Illegiti- mate.
January ...	23	41	64	40	4
February ...	24	31	55	47	2
March ...	41	28	69	42	1
April ...	34	38	72	47	3
May ...	34	26	60	27	
June ...	23	25	48	34	1
July ...	29	25	54	17	1
August ...	20	26	46	17	1
September ...	26	22	48	23	
October ...	20	20	40	22	3
November ...	24	26	50	26	1
December ...	29	22	51	32	4
	327	330	657	374	21
Transferred away ... to ...	10	12		12 46	
TOTALS ...	337	342	679	408	21

The annual average increase since 1905 has been 424 yearly.

The annual increase for 1915 was 283.

Location of Deaths.

MONTH.		District Proper.	House of Indus- try.	Blake Hos- pital.	Resi- dents Away.
January	...	40	8	1	2
February	...	47	5	1	4
March	...	42	5	...	7
April	...	47	5	2	4
May	...	27	2	...	7
June	...	34	2	1	3
July	...	17	1	1	6
August	...	17	3	...	...
September	...	23	3	...	5
October	...	22	2	1	3
November	...	26	4	...	3
December	...	32	5	...	2
TOTALS	...	374	45	7	46

Twelve of the above 420 were transferred to their own
Districts, making the net deaths 408.

The deaths in the Naval Hospital numbered 124, in the outside district 9; of these 22 were due to accidents, 29 to well defined diseases, 11 to Cerebro-Spinal Meningitis, 11 to Phthisis, 9 to Pneumonia, 7 to Heart Disease, 5 to Dysentery, 3 to Enteric.

The following furnishes a Summary of the foregoing Tables.

YEAR	Population estimated to Middle of each Year	Births.			TOTAL DEATHS REGISTER'D IN THE DISTRICT.		TRANSFER- ABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.						Under 1 Year of Age.		At all Ages.	
			Number.	Rate.	Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1910	32500		919	28.27	437	13.44			72	78.34		
1911	33300		849	25.49	490	14.71	46	41	115	135.45	485	14.56
1912	33300	857	881	26.45	395	11.86	50	29	57	64.69	374	11.20
1913	33500	813	839	25.04	423	12.62	34	35	95	113.23	424	12.65
1914	34000	836	870	25.58	473	14.11	56	33	57	65.51	450	13.23
1915	Civil'ns only. 27537	657	679	24.65	374	13.65	12	46	52	76.58	408	14.80

Area of District—3,878 Acres.

Total Population, all Ages (1911 Census)—33,301.

Total families or separate occupiers 6861.

Infantile Mortality during the Year 1915.

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1 to 2 Weeks	2 to 3 Weeks	3 to 4 Weeks	Total under 4 Weeks.	1 to 3 Months	3 to 6 Months	6 to 9 Months	9 to 12 Months	Total Deaths under One Year.
All Causes	{ Certified Uncertified	1									
Small Pox	..										
Chicken Pox	..										
Measles	..							1		1	2
Scarlet Fever	..										
Whooping Cough..	..									1	1
Diphtheria and Croup	..									1	1
Erysipelas	..							1			1
Tuberculous Meningitis	..						1				1
Abdominal Tuberculosis	..							2		1	4
Other Tuberculous Diseases ..	..									
Meningitis (not Tuberculous)	..	1									
Convulsions	..					1	2	2			5
Laryngitis	..										
Bronchitis	..							3	1	3	7
Pneumonia (all forms)	..			1		1	1	5	2	2	11
Diarrhoea	..		2			2	1				3
Enteritis	..						1				2
Gastritis	..							1			
Syphilis	..										
Rickets	..										
Suffocation, overlying	..										
Injury at Birth ..	..									
Atelectasis	..										
Congenital Malformations	..										
Premature Birth ..	..	8				8	1				9
Atrophy, Debility and Marasmus	..	2			1	3	1				4
Other Causes	..						1				1
TOTALS	..	11	2	1	1	15	9	16	3	9	52

Nett Births in the Year—Legitimate—658 ; Illegitimate—21. Nett Deaths in the Year—Legitimate—48 ; Illegitimate—4.

Zymotic and Infectious Diseases.—Deaths due to the above numbered 37, a considerably heavier mortality than last year. Enteric Fever 3, Diphtheria 10, Measles 10, Whooping Cough 4, Scarlet Fever 1, Infective Enteritis 9.

Cerebro-Spinal Meningitis attacked a few amongst the civilian population—four families being affected. In two families, two members in each were attacked, two succumbed and two recovered. The first case was of the fulminating type and very rapidly fatal. Contacts were examined, and through the prompt assistance of the County Medical Officer of Health, swabs were taken, the results being negative in all cases.

Diphtheria was again very prevalent, 133 cases being notified, the very large majority of the sufferers being of 5 and under 15 years of age.

Of the 206 notifications of Diphtheria, Scarlet Fever, Enteric, and Cerebro-Spinal Meningitis, 189 occurred in patients under 15 years of age.

During the year, the number of cases notified to the School Medical Officer, was :—

Scarlet Fever	...	40
Diphtheria	...	96
Enteric	...	1
Cerebro-Spinal Meningitis	...	4
		<hr/>
		141
		<hr/>

In addition, the number of military cases reported was :—

Scarlet Fever	6.	Enteric	...	3.
Diphtheria	2.	Cerebro-Spinal Meningitis		1.

Causes of, and Ages at Death during the Year 1915.

CAUSES OF DEATH.	NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT (a).									Total Deaths whether of "Residents" or "Non-residents" in Institutions in the District (b).
	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.	
1	2	3	4	5	6	7	8	9	10	11
All Causes { Certified (c) Uncertified	407 1	1								
Enteric Fever	3				1		1	1		
Chicken Pox	1				1					
Measles	10	2	6	2						
Scarlet Fever	1	1	3							
Whooping Cough	4	1								
Diphtheria and Croup	10	1		6	3		1	1	5	
Influenza	7									
Erysipelas	1	1								
Phthisis (Pulmonary Tuberculosis)	32				2	4	17	9		
Tuberculous Meningitis	5	1		3			1			
Other Tuberculous Diseases	10	2		1	2	2	3			
Cancer, malignant disease	32						4	13	15	
Rheumatic Fever	2						1		1	
Meningitis	6		1	1	1	3				
Organic Heart Disease	35	1					6	16	12	

Bronchitis	...	...	32	6	4	1	1	1	1	5	2	18
Pneumonia (all forms)	...	...	33	12	5		1	1			5	4
Other Diseases of Respiratory Organs ...	...	...	6		1	1	1				1	2
Diarrhoea and Enteritis	...	...	9	4	2	2	1					
Appendicitis and Typhlitis	...	...	2						2			
Cirrhosis of Liver	...	...							1			
Alcoholism	...	...	1									
Nephritis and Bright's Disease	...	...	22			1			2		7	12
Puerperal Fever	...	...	1						1			
Other accidents and diseases of Pregnancy and Parturition	...	...	2					1				
Congenital Debility and Malformation, including Premature Birth	...	...	12									
Violent Deaths, excluding Suicide	...	...	7	12	1	1	2		1		1	1
Suicide	...	...	4								3	1
Other Defined Diseases	...	...	111	3		4	1		9		17	77
Diseases ill-defined or unknown	...	...	7	6	1							
TOTALS	...	...	408	52	25	23	17	11	56		76	148
Sub-Entries. Included in above figures.	14 (a)	Cerebro-spinal Meningitis ...	4			1	1	2				
	28 (a)	Polomyelitis	1			1						

Cases of Infectious Disease notified during the Year 1915.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH LOCALITY (e.g. Parish or Ward) of the District								Total Cases Removed to Hospital.		
	At all Ages.	At Ages.—Years.						Town.	North	Alverstoke	Newtown	Removed to Blake Hospital.			Newtown			
		Under One.	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65					65 and up-wards						
Small Pox	...	133	1	28	98	4	2	4	3	39	49	12	33	38	53	18	32	141
Cholera, Plague	...	21	1	4	3		6	4		4	9	6	2					61
Diphtheria (including Membranous Croup)	...	65		15	41	7	2			19	18	17	11	19	15	16	11	
Erysipelas	...									1		1		1				
Scarlet Fever	...	2			1			1										
Typhus Fever	...																	
Enteric Fever	...																	
Relapsing Fever	...																	
Continued Fever	...																	
Puerperal Fever	...	1					1					1						
Cerebro-Spinal Meningitis	...	6		1	4	1				2			4					
Poliomyelitis	...																	
Ophthalmia Neonatorum	...	4	4								1	2	1					
Pulmonary Tuberculosis	...	38		1	9	4	18,	6		6	15	9	8					
Other forms of Tuberculosis	...	9		3	3	2		1		1	1	3	4					
TOTALS	...	279	6	52	159	18	29	12	3	72	93	51	63	58	68	34	43	203

Isolation Hospital. Name and Situation :—Blake Isolation Hospital, Elson. Gosport.

Total available beds—34. Smallpox—12. No. of diseases that can be concurrently treated—4.

SPOT DISEASE MAP, 1915.

* Scarlet Fever.
 0 Diphtheria.
 ⚡ Enteric.

ALVERSTOKE WARD.

NORTH WARD.

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NEWTOWN WARD.

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TOWN WARD.

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Blake Isolation Hospital.—Admissions for treatment or observation 207. Diphtheria 150. Scarlet Fever 56. Enteric 1.

Three Diphtheria cases were affected with Scarlet Fever, 3 Diphtheria cases were affected with Chicken Pox, 1 Diphtheria with Measles, 1 Scarlet Fever with Measles, and 1 with Chicken Pox.

One Scarlet Fever case was admitted with latent Enteric, which developed during the course of the former, and from which the child made good recovery.

Infectious Diseases Notifications.

The cases removed to Blake Hospital and the total number of notifications received are as follows :—

YEAR.	Notifi- cations Re- ceived.	Re- movals to Blake Hospit'l	Deaths in Blake Hos- pital.	Deaths in H'se of Indust'y	Deaths in District Proper.
1911	169	140	11	...	1
1912	191	165	4	...	6
Pulmonary Tuberculosis	{ 45	...	...	4	22
1913	194	169	2	...	3
Pulmonary	{ 46	...	...	4	22
Non- Pulmonary Tuberculosis	{ 25	...	...	...	...
1914	244	213	6	...	2
Pulmonary	{ 54	...	...	4	30
Non- Pulmonary Tuberculosis	{ 17	...	...	...	...
1915					
Pulmonary	38	203	7	3	25
Non- Pulmonary Tuberculosis	9	...	...	...	...

Pulmonary Tuberculosis.—Thirty-eight Primary Notifications were received.

The number of deaths was 28, three of these occurring in the House of Industry.

Occupations of Deceased.

Housewives	Labourer	Domestic Servants	Spinsters	Painters.	Widows.	Pensioner	School Girls.	Fish Frier.	Waiter	Beer Retailer	Machinist	Telegraphist	Gold Miner	No Occupation	TOTAL
5	5	3	2	2	2	1	1	1	1	1	1	1	1	1	28

Age Distribution.

Under 20 years	25	30	35	40	45	50	55	60	65	Total.
1	4	5	5	3	4	1	1	3	1	28

New Buildings.— Six New Houses have been built, Alterations and Additions to existing buildings have been made in the cases of 11 premises, and one Mission Room has been erected.

Refuse Disposal.—7213 tons of Household Refuse and Ashes from houses, Forts, Camps, and Government Establishments have been burnt in the Refuse Destructor Cells during the year.

Sewage Outfall.—The extension of the Outfall is now completed, the sewage being now delivered a further 230 yards from the fore-shore, and into the deeper waters of the Channel.

Housing Regulations.—The Inspection of the North Ward has been continued during the year. The number of dwelling houses inspected under and for the purposes of Section 17 of the Act of 1907 was 509.

The number of dwelling-houses which on inspection were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation were four, as follows :—Mill Cottage, Brockhurst, 268, 268a, and 268b, Forton Road.

The number of representations made to the Local Authority with a view to the making of Closing Orders, 4.

The number of Closing Orders made, 4. On Mill Cottage, Brockhurst, a Demolition Order was made by the Local Authority, the Cottage has since been demolished. 268, 268a, 268b, Forton Road, have been demolished without making Demolition Orders on same.

The number of dwelling-houses, the defects in which were remedied without the making of Closing Orders, was 153.

The number of dwelling-houses which, after the making of Closing Orders, were put into a fit state for human habitation, 2 :— 1 and 4 Spring Street. The Council determined the Orders made thereon.

The number of notices served under the Housing Town Planning Act, 1909, was 152.

The general character of the defects found to exist, was dampness of rooms and walls from leaking roofs, defective eaves gutters, and down spouts ; minor defects being broken flooring, windows, defective sashes and inability to open them.

Food Inspection, Slaughter Houses, Bakehouses.

During the year, in the course of inspection, 2 dozen rabbits unfit for food were surrendered, condemned and destroyed.

The Slaughter Houses are under constant supervision and are found to be kept in as good a condition as is possible, and the same report may be made upon the Bakehouses.

Factories' and Workshops' Act, 1901.

The Factories and Workshops have been regularly inspected, the condition of all being satisfactory. The Outworkers' premises also have been visited and found, with few exceptions, clean and well kept.

Routine Work.—During the year periodical inspections have been made of the Cowsheds, Dairies, Milkshops, Bakehouses, Workshops, Laundries, Stables, Piggeries, and Common Lodging Houses.

The Courts and Alleys have been regularly limewashed.

Tabulated Statements of visits made by the Inspector and his Assistants, of notices served for the abatement of nuisances, together with those of nuisances abated, are appended.

At the end of October the Assistant Sanitary Inspector joined the Royal Engineers for the period of the war, and is now serving abroad. The position is reserved for his return, and the vacancy is not filled up.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

J. W. GREGORY KEALY,

M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health.

April, 1916,

Factories, Workshops, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ...	9	...	...
Workshops (including Workshop Laundries)	191	5	...
Workplaces (other than Out-workers' premises included in part 3 of this Report) ...	...	...	...
Total ...	200	5	...

2. DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions
	Found.	Remedied	Referred to H.M. Insp.	
Want of cleanliness ...	1	1	...	...
Other Nuisances ...	2	2	...	...
Breach of Special Sanitary requirements for bake-houses (ss 97 to 100) ...	2	2	...	...
Total ...	5	5	...	...

3. HOMEWORK.

Nature of Work.	OUTWORKER' LIST, SEC. 107.						OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.	
	Lists received from Employers.							
	Sending twice in the year.			Sending once in the year				
	Lists	Outworkers		Lists	Outworkers		In- stances	Orders made (S 110)
Con- tractors		Work- men	Con- tractors		Work- men			
Wearing Apparel— Making, etc.	8	13	1535	2	...	3	...	...
Furniture & Upholstery	2	...	2	...	...	...	...	...
Total ...	10	13	1537	2	...	3	...	...

4. Registered Workshops.

Workshops on the Register (s. 131) at the end of the year.	Number.
106	106
Total number of Workshops on Register ...	106

5. OTHER MATTERS.

Class.	Number
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133, 1901)	
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act, (s, 5, 1901)—	
Notified to H.M. Inspector ...	3
Reports (of action taken) sent to H.M. Inspector	3
Other ... ..	...
Underground Bakehouses (s. 101) in use at the end of year ... ..	...

**Notifications to Librarian, Head Teachers, and
Rooms Disinfected.**

Ward	Librarian.	Head Teachers	Rooms Disinfected.
Gosport ...	...	133	71
North ...	1	104	83
Alverstoke	...	46	47
Newtown ...	2	66	61
Total ...	3	349	262

Summary of Visits made by the Inspector and Assistant Inspector.

Description of Visits.	Insp'trs Visits.	Asst't's Visits.	Totals.
Infectious Diseases investigated by Inspector and Assistant Inspector ...	166	81	247
Number of Complaints and Nuisances attended to ...	167	57	224
„ Visits <i>re</i> Sanitary Matters ...	822	365	1187
„ „ to look up Notices served	228	27	255
„ „ Slaughter Houses and Butchers' Shops ...	271	190	461
„ „ Cowsheds, Dairies, and Milkshops ...	57	79	136
„ „ Workshops under the Factory Act ...	87	46	133
„ „ Bakehouses ...	40	27	67
„ „ Outworkers ...	126	435	561
„ „ Common Lodging Houses ...	72	120	192
„ „ Fried Fish Shops ...	35	65	100
„ „ Stables ...	92	292	384
„ „ Piggeries ...	190	172	362
„ „ Schools ...	6	2	8
„ „ Disinfection of Rooms for Removal of Bedding	179	82	261
„ „ „ 9	9	1	10
„ „ Shops Act, 1912 ...	160		160
Housing Town Planning Act, 1909 :—			
„ Notices Served to Inspect ...	35	474	509
„ Houses Inspected ...	509		509
„ Drains, Water Closets, etc. ...	35	474	509
„ Re-visits to inspect Work done ...	459	13	472
TOTAL	3745	3002	6747

Summary of Notices Served, and Nuisances Abated.

	Abatement Notices.		Nuisances Abated after Notices by		Notices in Hand.
	Informal by Inspector	Formal by Authority.	Inspector.	Authority.	
Privy Emptied and Cleansed ...	5		5		
Privy Pan provided ...	1		1		
Cesspool Emptied and Cleansed ...	1		1		
Storm drains re-laid ...	1		1		
Water Closets, etc., repaired ...	9		9		
New Closet pans provided ...	7		9		
Flush Boxes to Water Closets provided	1		1		
" " " " repaired	9		9		
Choked Water Closets and Drains cleared and cleansed ...	16		16		
Storm Drains cleared and cleansed...	7		7		
New Manhole Covers provided ...	2		3		
Premises repaired and put in order	17	5	23	4	1
Repair Roofs, etc. ...	23		20		3
" Floors ...	6		6		3
" Yard Paving ...	2	1	5		
Stagnant Pools cleansed ...		2		2	
Cleanse dwelling ...	3		3		
Fresh air inlet heads provided ...	1		2		
Stopper to clearing eye provided ...	1		1		
Accumulation of refuse, etc., removed	10	2	10	2	
Overcrowding reduced ...	4	1	4	1	
Premises provided with Water Supply	7		7		
Nuisance Bye-laws ...	20		20		
Factory and Workshops, walls and ceilings limewashed, etc. ...	5		5		
Housing Town Planning Act, 1909...	152		153		51
Letters written <i>re</i> Sanitary matters and Nuisances abated ...	96		96		
Totals ...	406	11	417	9	58

